

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operat or	Plural s	Time Stamp
L4	213	discard\$3 with (duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	US-PGPU B; USPAT	OR	ON	2007/06/21 10:52
L5	233	discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	US-PGPU B; USPAT	OR	ON	2007/06/21 11:57
L6	72	discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	USPAT	OR	ON	2007/06/21 10:53
L7	39	(ID or number or sequence or identifier or identification) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	USPAT	OR	ON	2007/06/21 11:03
L8	0	(ACK) near5 (fail\$3 or lost) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	USPAT	OR	ON	2007/06/21 10:58
L9	0	(ACK or acknowledgement) near5 (fail\$3 or lost) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3)	USPAT	OR	ON	2007/06/21 10:59
L10	14	(ACK or acknowledgement) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3)	USPAT	OR	ON	2007/06/21 10:59

## EAST Search History

L11	8	retrans\$8 same (ID or number or sequence or identifier or identification) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	USPAT	OR	ON	2007/06/21 11:04
L12	13	retrans\$8 same (ID or number or sequence or identifier or identification) same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3)	USPAT	OR	ON	2007/06/21 11:04
L13	26	retrans\$8 same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3) and (wireless)	USPAT	OR	ON	2007/06/21 11:14
L14	34	retrans\$8 same discard\$3 with (identical or duplicate or (already adj received)) with packet and (multicast\$3 or broadcast\$3)	USPAT	OR	ON	2007/06/21 11:14
L15	8	14 not 13	USPAT	OR	ON	2007/06/21 11:14
L16	293	packet adj loss with report\$3	US-PGPU B; USPAT	OR	ON	2007/06/21 12:06
L17	134945	((("709") or ("370")).CLAS.	US-PGPU B; USPAT	OR	OFF	2007/06/21 12:06
L18	228	16 and 17	US-PGPU B; USPAT	OR	ON	2007/06/21 12:06
L19	83	16 and 17	USPAT	OR	ON	2007/06/21 12:06
S1	1035	(multicast or broadcast or unicast) same (redundant or duplicate) with (packet or transmi\$6)	US-PGPU B; USPAT	OR	ON	2007/05/23 12:16
S3	960	(714/748,749).CCLS.	US-PGPU B; USPAT	OR	OFF	2007/05/23 12:25

## EAST Search History

S4	6461	(709/230,236,247,248,204). CCLS.	US-PGPU B; USPAT	OR	OFF	2007/05/24 18:20
S5	7408	S3 or S4	US-PGPU B; USPAT	OR	ON	2007/05/23 12:27
S6	49	S1 and S5	US-PGPU B; USPAT	OR	ON	2007/05/23 12:28
S7	232	packet adj loss near5 (assum\$5 or built-in)	US-PGPU B; USPAT	OR	ON	2007/05/23 12:29
S8	14	S1 and S7	US-PGPU B; USPAT	OR	ON	2007/05/23 12:46
S9	2358	"Automatic Repeat Request"	US-PGPU B; USPAT	OR	ON	2007/05/23 12:46
S10	259	S5 and S9	US-PGPU B; USPAT	OR	ON	2007/05/23 12:47
S11	2	S1 and S10	US-PGPU B; USPAT	OR	ON	2007/05/23 12:47
S12	91	S10 and sequence adj number	US-PGPU B; USPAT	OR	ON	2007/05/23 15:57
S13	839	automatic adj retransmission	US-PGPU B; USPAT	OR	ON	2007/05/23 15:10
S14	69	S5 and S13	US-PGPU B; USPAT	OR	ON	2007/05/23 15:12
S15	7	("5345565"   "5463643"   "6031818"   "6212582"   "6215766"   "6266339"   "6272658").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/05/23 15:26
S16	7	("6532562").URPN.	USPAT	OR	ON	2007/05/23 15:56
S18	273	(714/749).CCLS.	US-PGPU B; USPAT	OR	OFF	2007/05/23 15:57
S19	88	S18 and sequence adj number	US-PGPU B; USPAT	OR	ON	2007/05/23 18:22
S21	5773	header near5 (compress\$4)	US-PGPU B; USPAT	OR	ON	2007/05/23 15:58
S22	4	S19 and S21	US-PGPU B; USPAT	OR	ON	2007/05/23 18:30
S25	22	S18 and sequence adj number and (multicast\$3 or broadcast\$3)	US-PGPU B; USPAT	OR	ON	2007/05/23 18:35

## EAST Search History

S26	4	S18 and sequence adj number and (multicast\$3 or broadcast\$3).ab.	US-PGPU B; USPAT	OR	ON	2007/05/23 18:27
S27	431	sequence adj number same ACK same retransmi\$5	US-PGPU B; USPAT	OR	ON	2007/05/24 09:40
S28	63	S5 and S27	US-PGPU B; USPAT	OR	ON	2007/05/23 18:55
S29	15	S28 and (multicast\$3 or broadcast\$3)	US-PGPU B; USPAT	OR	ON	2007/05/23 18:55
S30	138	S27 and (multicast\$3 or broadcast\$3)	US-PGPU B; USPAT	OR	ON	2007/05/24 09:33
S31	123	S30 not S29	US-PGPU B; USPAT	OR	ON	2007/05/23 18:57
S32	71	compression same layer same (third and fourth and fifth and second)	US-PGPU B; USPAT	OR	ON	2007/05/23 19:07
S33	1	S4 and S32	US-PGPU B; USPAT	OR	ON	2007/05/23 18:58
S34	140	("hashimot, naoki" or "kobayashi, yoshikazu").in.	US-PGPU B; USPAT	OR	ON	2007/05/23 19:00
S35	43	S34 and packet	US-PGPU B; USPAT	OR	ON	2007/05/23 19:01
S36	4	S34 and packet and retransmission	US-PGPU B; USPAT	OR	ON	2007/05/23 19:02
S37	11	("20020019967"   "20020028688"   "20020114342"   "20020145972"   "20030140167"   "5077655"   "5701312"   "5734643"   "6404739"   "6625166"   "6820231").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/05/23 19:13
S38	1	("6400724").PN.	US-PGPU B; USPAT	OR	OFF	2007/05/23 19:13
S39	40	(multicast\$3 or broadcast\$3) same (virtual or common) adj mac	US-PGPU B; USPAT	OR	ON	2007/05/24 09:37
S40	366	(multicast\$3 or broadcast\$3) adj mac adj address	US-PGPU B; USPAT	OR	ON	2007/05/24 17:03
S41	13	S40 and sequence adj number same ACK	US-PGPU B; USPAT	OR	ON	2007/05/24 09:43

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S42	32	S40 and sequence adj number and ACK	US-PGPU B; USPAT	OR	ON	2007/05/24 09:43
S43	19	S42 not S41	US-PGPU B; USPAT	OR	ON	2007/05/24 09:43
S44	51	(multicast\$3 or broadcast\$3) near5 mac adj address and sequence adj number same ACK	US-PGPU B; USPAT	OR	ON	2007/05/24 09:48
S45	455	receiver with (track\$3 or monitor\$3) with loss	US-PGPU B; USPAT	OR	ON	2007/05/24 10:04
S46	38	S45 and sequence adj number	US-PGPU B; USPAT	OR	ON	2007/05/24 10:14
S47	2	((("20020150098") or ("6,118, 765")).PN.	US-PGPU B; USPAT	OR	OFF	2007/05/24 10:32
S48	0	"10-173668"	JPO	OR	ON	2007/05/24 10:33
S49	42	"shigesa Hidehiko"	JPO	OR	ON	2007/05/24 10:34
S50	0	"shigesa Hidehiko"	DERWEN T	OR	ON	2007/05/24 10:34
S51	18	"Hidehiko"	DERWEN T	OR	ON	2007/05/24 10:34
S52	0	"shigesa"	DERWEN T	OR	ON	2007/05/24 10:34
S53	306	(frame or packet) with (transmit\$4 or re\$1transmit\$4) near5 (multiple or plural\$4) same ACK	US-PGPU B; USPAT	OR	ON	2007/05/24 10:38
S54	45877	hitachi.asn.	US-PGPU B; USPAT	OR	ON	2007/05/24 10:39
S55	122	lan adj system.ti.	US-PGPU B; USPAT	OR	ON	2007/05/24 10:38
S56	11	S54 and S55	US-PGPU B; USPAT	OR	ON	2007/05/24 10:38
S57	106	(ack and retransmi\$5).ab.	US-PGPU B; USPAT	OR	ON	2007/05/24 10:40
S58	3	S54 and S57	US-PGPU B; USPAT	OR	ON	2007/05/24 10:40

## EAST Search History

S59	7415	((709/230,236,247,248,204) or (714/748,749)).CCLS.	US-PGPU B; USPAT	OR	OFF	2007/05/24 10:42
S60	34	S59 and S53	US-PGPU B; USPAT	OR	ON	2007/05/24 10:48
S61	13	ACK and re\$1transmi\$5 and (duplicate or redundant)	FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/05/24 10:48
S62	19	ACK and re\$1transmi\$5 and (multicast or broadcast)	FPRS; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2007/05/24 11:16
S63	1	("5432798").PN.	US-PGPU B; USPAT	OR	OFF	2007/05/24 10:54
S64	3048	(acknowledgement or ACK) with re\$1transmi\$5 with receive\$1	US-PGPU B; USPAT	OR	ON	2007/05/24 11:17
S65	445	multicast and S64	US-PGPU B; USPAT	OR	ON	2007/05/24 11:18
S66	245	sequence adj number and S65	US-PGPU B; USPAT	OR	ON	2007/05/24 11:18
S67	49	S59 and S66	US-PGPU B; USPAT	OR	ON	2007/05/24 13:15
S68	63	reliable adj multicast and S64	US-PGPU B; USPAT	OR	ON	2007/05/24 11:18
S69	1	2002-268605.NRAN.	DERWEN T	OR	ON	2007/05/24 14:39
S70	3291	(709/236,246,247).CCLS.	US-PGPU B; USPAT	OR	OFF	2007/05/24 14:39
S71	76	S70 and header adj compression	US-PGPU B; USPAT	OR	ON	2007/05/24 14:50
S72	56	S71 and layer	US-PGPU B; USPAT	OR	ON	2007/05/24 14:39
S73	1	S70 and header with (compress\$3) with (transport) with network	US-PGPU B; USPAT	OR	ON	2007/05/24 14:50
S74	2	S70 and header same (compress\$3) with (transport) with network	US-PGPU B; USPAT	OR	ON	2007/05/24 14:51

## EAST Search History

S75	3	S70 and header same (remov\$3) with (transport) with network	US-PGPU B; USPAT	OR	ON	2007/05/24 20:39
S76	15	S70 and compress\$3 with (transport) with network	US-PGPU B; USPAT	OR	ON	2007/05/24 14:52
S77	41	S70 and compress\$3 with "tcp/ip"	US-PGPU B; USPAT	OR	ON	2007/05/24 16:44
S78	26	S70 and compress\$3 with "tcp/ip" same header	US-PGPU B; USPAT	OR	ON	2007/05/24 16:51
S79	0	S70 and compress\$3 with header same mac adj address	US-PGPU B; USPAT	OR	ON	2007/05/24 16:51
S80	13	compress\$3 with header same mac adj address	US-PGPU B; USPAT	OR	ON	2007/05/24 16:51
S81	72	(multicast\$3 or broadcast\$3) adj mac adj address same group	US-PGPU B; USPAT	OR	ON	2007/05/24 17:05
S82	167	IP adj (multicast\$3) same mac adj address	US-PGPU B; USPAT	OR	ON	2007/05/24 18:09
S83	241	wireless same lan same base adj station and multicast	US-PGPU B; USPAT	OR	ON	2007/05/24 18:09
S84	36	wireless same lan same base adj station same multicast	US-PGPU B; USPAT	OR	ON	2007/05/24 18:15
S85	41	reliable with wireless with multicast\$3	US-PGPU B; USPAT	OR	ON	2007/05/24 18:19
S86	1327	wireless with multicast\$3	US-PGPU B; USPAT	OR	ON	2007/05/24 18:26
S87	50	S59 and S86	US-PGPU B; USPAT	OR	ON	2007/05/24 18:20
S88	10	S87 and base adj station	US-PGPU B; USPAT	OR	ON	2007/05/24 18:23
S89	211	(wireless and multicast\$3). ab.	US-PGPU B; USPAT	OR	ON	2007/05/24 18:26
S90	60	wireless adj LAN with multicast\$3	US-PGPU B; USPAT	OR	ON	2007/05/24 18:28
S91	19	S70 and header same (remov\$3) with (tcp)	US-PGPU B; USPAT	OR	ON	2007/05/24 20:40
S92	14	header near5 (overhead or reduc\$4 or compress\$3) same (remov\$3) with (tcp)	US-PGPU B; USPAT	OR	ON	2007/05/24 20:40

## EAST Search History

S93	58	header near5 (overhead or reduc\$4 or compress\$3) and header same (remov\$3) with (tcp)	US-PGPU B; USPAT	OR	ON	2007/05/24 20:40
S94	36	(US-20040117498-\$ or US-20020114283-\$ or US-20040090989-\$ or US-20020097722-\$).did. or (US-6594798-\$ or US-6532562-\$ or US-5717689-\$ or US-5694391-\$ or US-7054316-\$ or US-7032153-\$ or US-6359877-\$ or US-7072309-\$ or US-7146426-\$ or US-4422171-\$ or US-6693907-\$ or US-6400724-\$ or US-6820231-\$ or US-5701312-\$ or US-6216166-\$ or US-6473403-\$ or US-6269080-\$ or US-6577599-\$ or US-5216675-\$ or US-5432798-\$ or US-6112323-\$ or US-6415312-\$ or US-6581176-\$ or US-6941501-\$ or US-6032197-\$ or US-6018766-\$).did. or (US-6751209-\$ or US-6754231-\$ or US-6967964-\$ or US-6188691-\$ or US-6577609-\$).did. or (JP-10173668-\$).did.	US-PGPU B; USPAT; JPO	OR	ON	2007/05/24 21:37
S95	15	S94 and discard\$3	US-PGPU B; USPAT	OR	ON	2007/05/24 21:59
S96	169	(ACK or acknowledgement) same discard\$3 with (duplicate or redundant or (already adj received))	US-PGPU B; USPAT	OR	ON	2007/05/24 23:19



## EAST Search History

S97	96	S96 and (multicast\$3 or broadcast\$3)	US-PGPU B; USPAT	OR	ON	2007/05/24 22:05
S98	1	(earlier or already) adj (acknowledged or ACK\$2 or acknowledgement) same discard\$3 with (duplicate or redundant)	US-PGPU B; USPAT	OR	ON	2007/05/24 23:10
S99	51	lost near5 (ACK or acknowledgement) same discard\$3	US-PGPU B; USPAT	OR	ON	2007/05/24 23:35
S100	3	lost near5 (ACK or acknowledgement) same duplicate adj (packet or sequence)	US-PGPU B; USPAT	OR	ON	2007/05/24 23:35
S101	134	packet adj loss same congestion adj window	US-PGPU B; USPAT	OR	ON	2007/06/20 18:26
S102	446	discard\$3 with (duplicate or (already adj received)) with packet	US-PGPU B; USPAT	OR	ON	2007/06/21 10:51
S103	55019	("709").CLAS.	US-PGPU B; USPAT	OR	OFF	2007/06/20 16:17
S104	80	S102 and S103	US-PGPU B; USPAT	OR	ON	2007/06/20 16:24
S105	1	("6751219").PN.	US-PGPU B; USPAT	OR	OFF	2007/06/20 16:31
S106	26	S104 and multicast\$3	US-PGPU B; USPAT	OR	ON	2007/06/20 18:13
S107	0	S104 and packet adj loss with frequency	US-PGPU B; USPAT	OR	ON	2007/06/21 12:05
S108	45	packet adj loss same (increas\$3 or larger or bigger) with congestion adj window	US-PGPU B; USPAT	OR	ON	2007/06/20 18:29
S109	30	encapsulat\$3 with multiple adj (packets or destinations)	US-PGPU B; USPAT	OR	ON	2007/06/20 18:29